

# REQUEST AUTHORIZATION FOR MAYOR AND FINANCE OFFICER TO SIGN PROFESSIONAL SERVICES AGREEMENT OR AMENDMENT

**Project Name & Number:** Cells 13, 14 & 17 Final Cover System  
Project No. 13-2146

**CIP #:**

**Project Description:** Final cover system required to be installed over cells 13, 14 & 17.

**Consultant:** Geo-Logic Associates Inc.

**Original Contract Amount:** \$96,940.00

**Original Contract Date:** February 19, 2014

**Original Completion Date:** July 1, 2014

**Addendum No:** 1

**Amendment Description:** Addition of Construction Phase Services.

**Current Contract Amount:** \$96,940.00

**Current Completion Date:** May 30, 2015

**Change Requested:** \$80,910.00

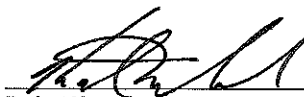
**New Contract Amount:** \$177,850.00

**New Completion Date:** May 30, 2015

**Funding Source This Request:**

\$80,910.00	7102	4223	615	
\$80,910.00	<b>Total</b>			

### Agreement Review & Approvals

  
Project Manager 11-19-14  
Date

  
Division Manager 11-19-14  
Date

  
Compliance Specialist 11/19/14  
Date

  
Department Director 11-19-14  
Date

\_\_\_\_\_  
City Attorney Date

**ROUTING INSTRUCTIONS**

Route **two** originals of the Agreement for review and signatures.  
Finance Office - Retain one original  
Project Manager - Retain second original for delivery to Consultant  
cc: Public Works  
Engineering  
Project Manager

**FINANCE OFFICE USE ONLY**

(Note to Finance: Please write date of Agreement in appropriate space in the Agreement document)

	Date	Initials	Approved	
Appropriation	11/20/14	DN	Y	N
Cash Flow			Y	N

**AMENDMENT NO. 1 TO AGREEMENT**

**Project:** Cells 13, 14 & 17 Final Cover System  
Project No. 13-2146

**Background Data:** Original Contract Date: 2/19/14  
Owner: City of Rapid City  
Consultant: Geo-Logic Associates

**Nature of Amendment:** Addition of construction administration services

**Current Contract Amount:** \$ 96,940.00

**Change Requested:** \$ 80,910.00

**New Contract Amount:** \$ 177,850.00

Owner and Contractor hereby agree to modify the above referenced Agreement as set forth in this Amendment. All provisions of the Agreement not modified by this or previous Amendments remain in effect. The effective date of this Amendment is:

\_\_\_\_\_.

CITY OF RAPID CITY

ENGINEER

By: \_\_\_\_\_  
Mayor

By: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

ATTEST:

By: \_\_\_\_\_  
Finance Officer

Date: \_\_\_\_\_



September 2, 2014

Karl Merbach  
Superintendent, Solid Waste Operations  
City of Rapid City  
300 Sixth Street  
Rapid City, SD 57701

**Re: Proposal for CQA Services for the Cell 13 and 14 Closure at the Rapid City Landfill**

Dear Mr Merbach,

Geo-Logic Associates (GLA) is pleased to provide this proposal to the City of Rapid City for Construction Quality Assurance (CQA) services during the Cell 13 and 14 Closure Construction project. This proposal was prepared based on our vast knowledge of the project, our experience providing CQA services for many similar landfill closure projects, and the technical specifications and CQA Plan. As you know, GLA is very familiar with this project having prepared all the construction documents. GLA will work as a team with FMG Engineering of Rapid City to provide the CQA services.

### **Scope of Services and Approach**

#### **Task 1 – CQA Services**

Our CQA services will include full-time observation by a Lead CQA Monitor. GLA will conduct conformance testing of the soils as detailed in the project specifications and CQA Manual. GLA will utilize FMG's local laboratory for soils testing.

Our CQA services will be in accordance with the CQA manual and specifications prepared for the closure. Our Monitor will observe the installation of the intermediate cover, clay layer, erosion layer, and associated drainage features. Testing and observations will be recorded on the appropriate tables and forms and included in the Final CQA Documentation report along with a photographic log of the construction sequence. GLA has performed the CQA services for many similar closure projects and is very familiar with the project specifications and site conditions. Upon completion, GLA will prepare and submit a Final Construction Quality Assurance Report stamped by a licensed engineer in the State of South Dakota.

### **Project Schedule**

We have estimated that our CQA services will be required for approximately 12 weeks. Our Project Manager will attend site meetings (including a preconstruction meeting) bi-weekly, or as necessary.

We have assumed 5-day weeks, 10 hours per day during the construction. GLA will submit a CQA documentation report to the City for review within 10 days of completing construction.

### **Project Costs**

GLA has prepared an itemized cost estimate associated with the proposed scope of work. The City will be invoiced on a time and materials basis in accordance with the cost estimate included as an attachment.

The spreadsheet showing the breakdown of costs for each task is presented in Attachment 1. The estimated costs will not be exceeded without prior approval from the City. In the event that the scope of services or time frame changes, GLA will provide the City with a written description of the modifications along with a cost estimate for the modification. GLA will not proceed with a modified scope without written approval from the City.

Costs for CQA services were developed based on the following assumptions:

- Services will be required for 3 months (12 weeks), 50 hours/week;
- GLA/FMG will provide a Lead CQA Monitor during the entire construction period; and
- GLA Project Manager will attend preconstruction and weekly progress meetings, as needed.

If you have any questions regarding the information provided, please feel free to contact Bryan Fritzier at the number below or Doug Junk at (480) 634-6150 at your convenience. We look forward to working with you and the rest of the staff again at the Rapid City Landfill.

Yours sincerely,



Bryan Fritzier, PE  
Manager of Denver Operations

Encl. – Cost Estimate

**SUMMARY OF PROJECT COSTS  
RAPID CITY LANDFILL  
CQA SERVICES FOR CELLS 13 AND 14 CLOSURE**

TASK 1: CQA SERVICES		12 weeks (6 weeks, 20 hrs/week and 6 weeks, 40 hr/week)		
Personnel	Unit	#Units	Rate/Unit	Subtotal Cost
	number of weeks =	weeks	12	
Senior Professional	hours	96	\$165.00	\$15,840.00
Lead CQA Monitor (Senior Engineering Tech)	hours	360	\$78.00	\$28,080.00
<b>Total Personnel Costs - Task 1</b>				<b>\$43,920.00</b>

ESTIMATE OF EQUIPMENT AND DIRECT EXPENSES - TASK 1		12 weeks		
Description	Unit	#Units	Rate/Unit	Subtotal Cost
Personnel Mob/demob	lump sum	1	\$500.00	\$500.00
Nuclear Density Gauge	month	3	\$300.00	\$900.00
On-site vehicle - (Lead CQA Monitor)	week	12	\$350.00	\$4,200.00
Per Diem -(Lead CQA Monitor)	week	6	\$770.00	\$4,620.00
Travel Expenses for Site Visit - Project Manager	each	6	\$1,000.00	\$6,000.00
Communications (phone/computer)	week	12	\$35.00	\$420.00
Field/Safety Supplies	week	12	\$50.00	\$600.00
<u>Off Site Laboratory Testing</u>				
<u>Intermediate Cover</u>				
Moisture Density Relationship (ASTM D698)	each	8	\$135.00	\$1,080.00
Particle Size Analysis (ASTM D422)	each	15	\$75.00	\$1,125.00
<u>Clay Liner</u>				
Atterberg Limits (ASTM D4318)	each	21	\$75.00	\$1,575.00
Moisture Density Relationship (ASTM D698)	each	21	\$135.00	\$2,835.00
Particle Size Analysis (ASTM D422)	each	21	\$75.00	\$1,575.00
Permeability Testing (ASTM D5084)	each	6	\$260.00	\$1,560.00
Final Certification Report	lump sum	1	\$10,000.00	\$10,000.00
<b>Total for Equipment and Direct Expenses - Task 1</b>				<b>\$36,990.00</b>
<b>TOTAL FOR TASK 1 - CQA SERVICES</b>				<b>\$80,910.00</b>